FIG. 1

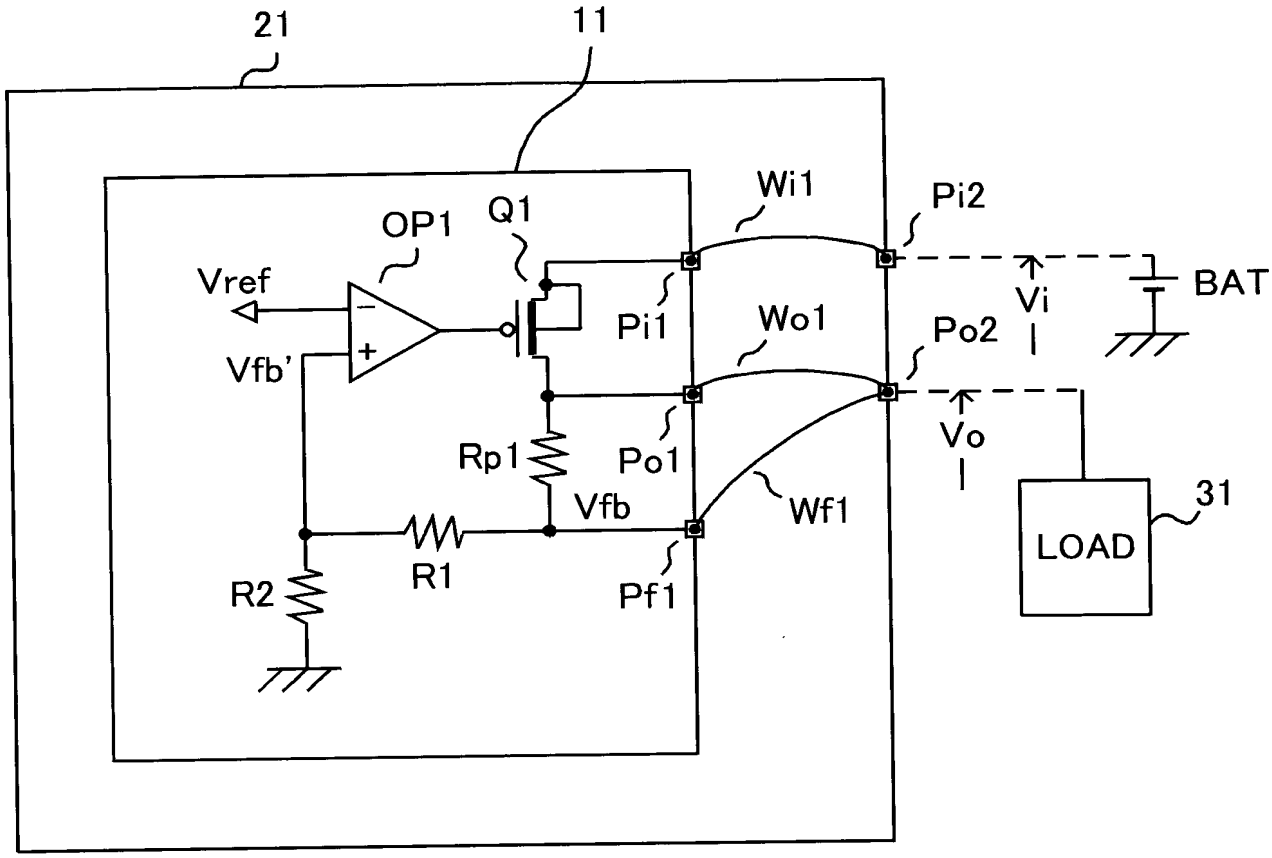

21
11
Wi1
Pi2
OP1
Q1
Vref
Pi1
Wo1
Po2
Vi
BAT
Vfb'
Rp1
Po1
Vo
Vfb
Wf1
31
LOAD
R1
R2
Pf1

FIG. 2

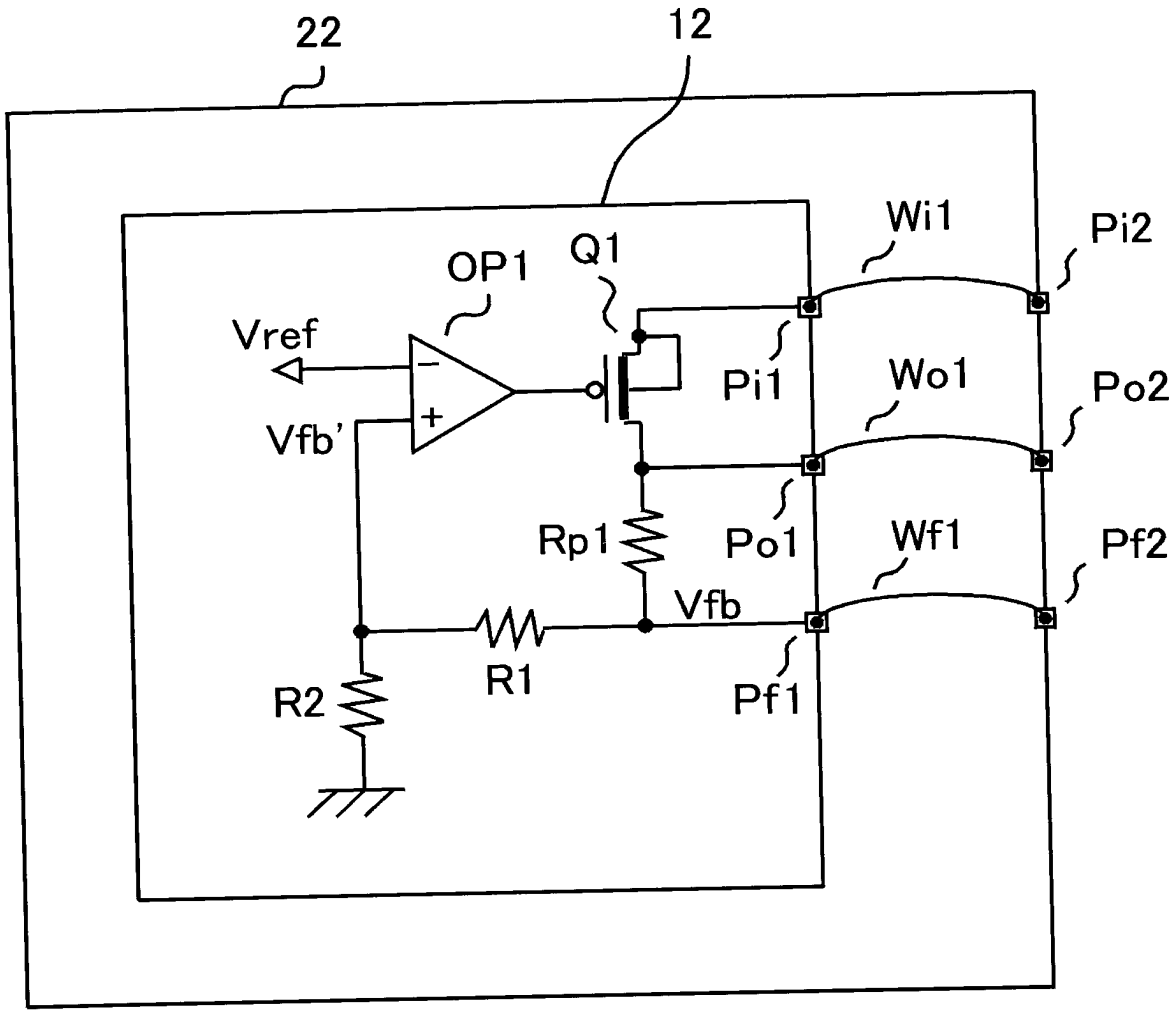

22
12
Wi1
Pi2
OP1
Q1
Vref
Pi1
Wo1
Po2
Vfb'
Rp1
Po1
Wf1
Pf2
Vfb
R1
R2
Pf1

FIG. 3

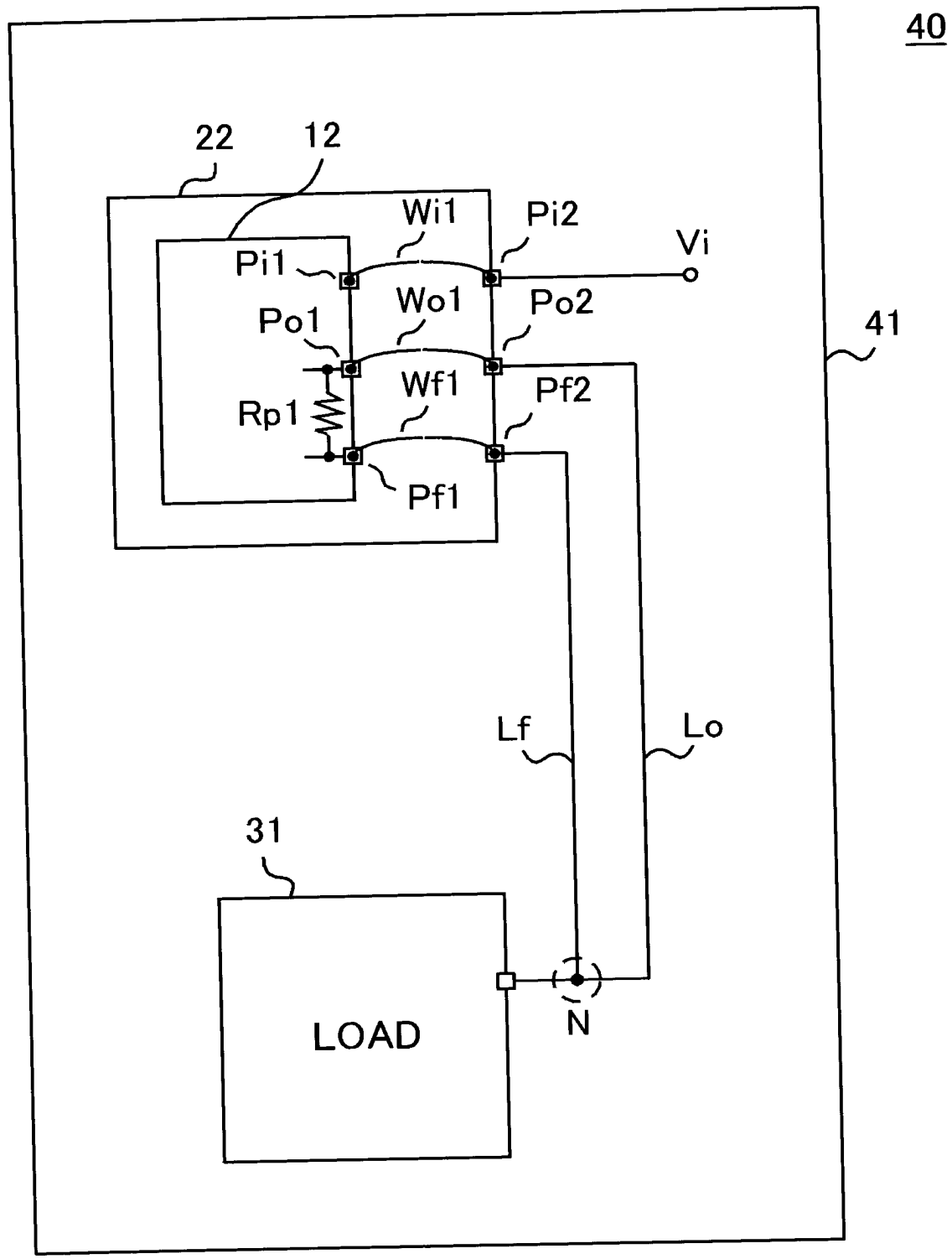

40
22
12
Wi1
Pi2
Vi
Pi1
Wo1
Po2
Po1
41
Wf1
Pf2
Rp1
Pf1
Lf
Lo
31
LOAD
N

FIG. 4

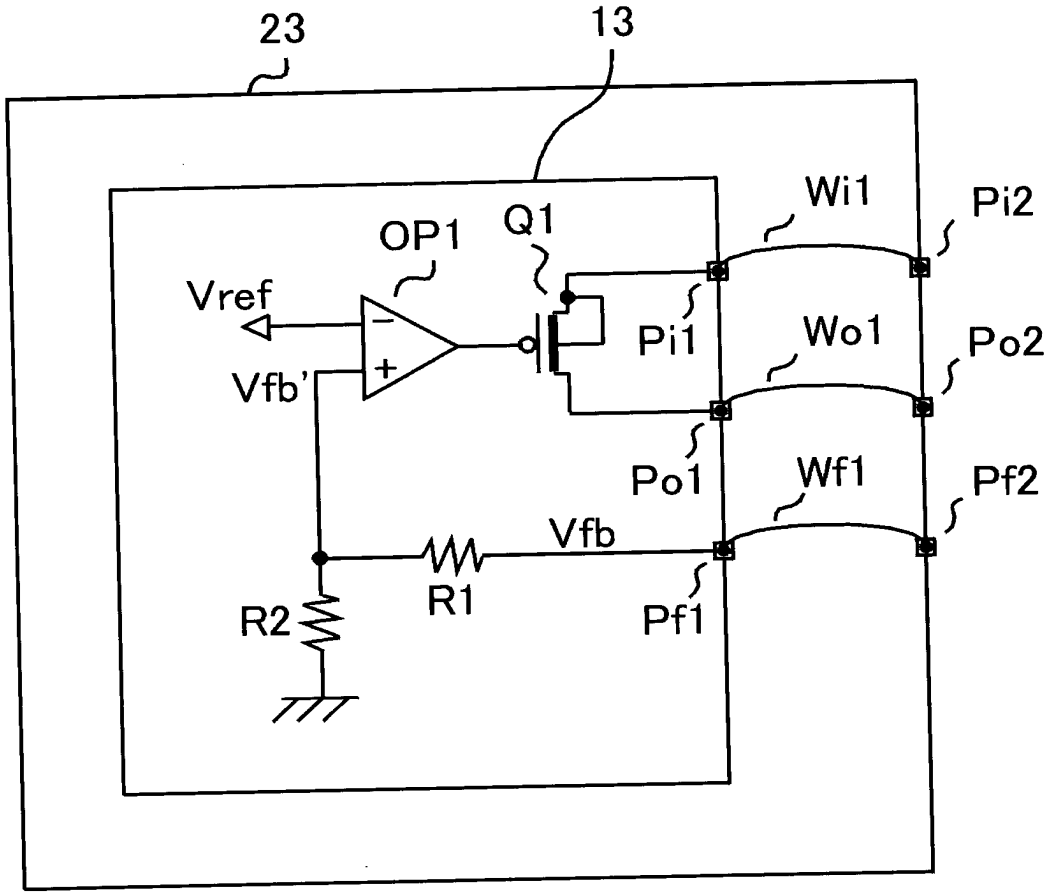

23
13
Wi1
Pi2
OP1
Q1
Vref
Pi1
Wo1
Po2
Vfb'
Po1
Wf1
Pf2
Vfb
R1
R2
Pf1

FIG. 5

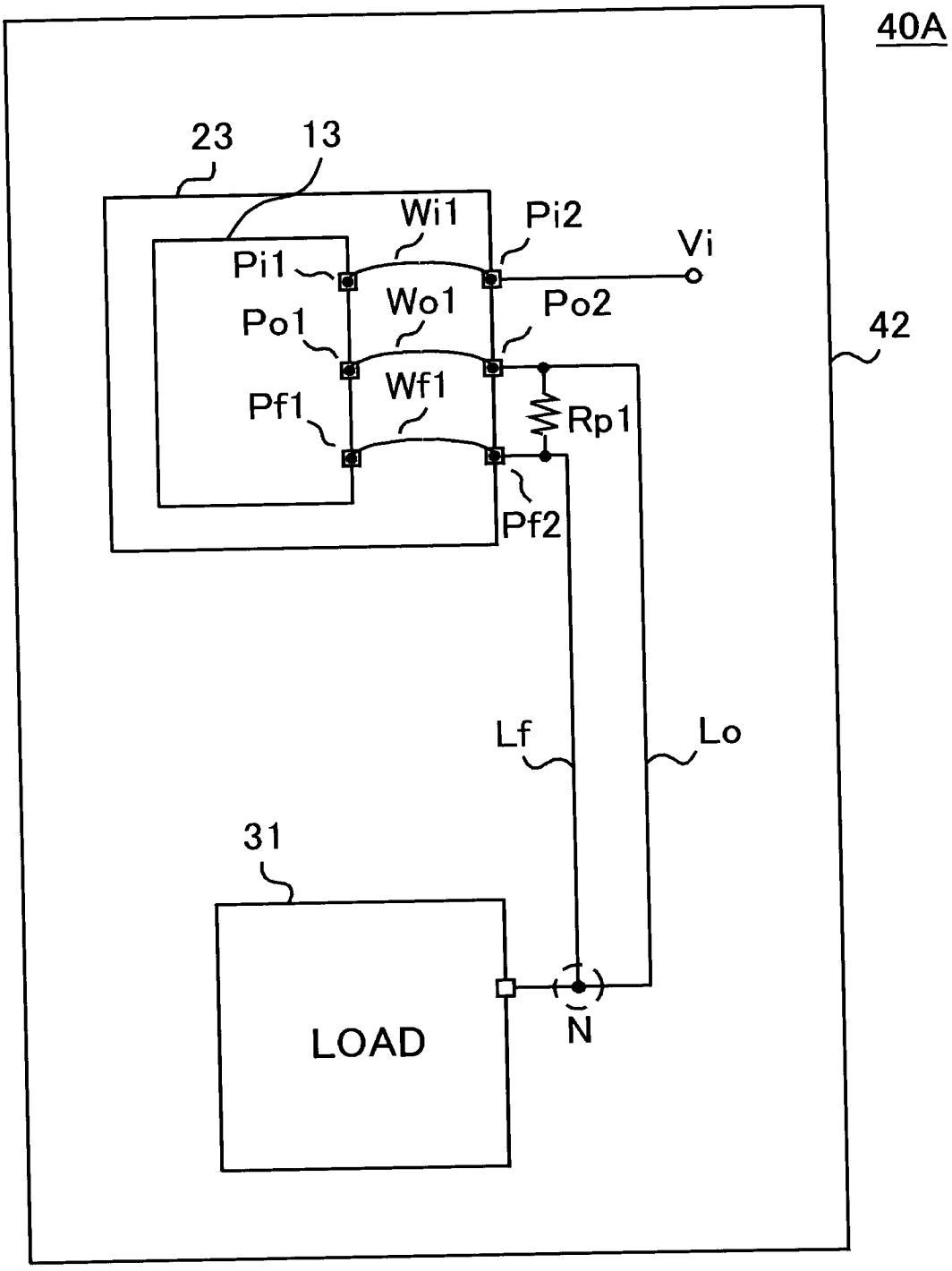

40A
23
13
Wi1
Pi2
Vi
Pi1
Wo1
Po2
Po1
42
Wf1
Pf1
Rp1
Pf2
Lf
Lo
31
LOAD
N

FIG. 6

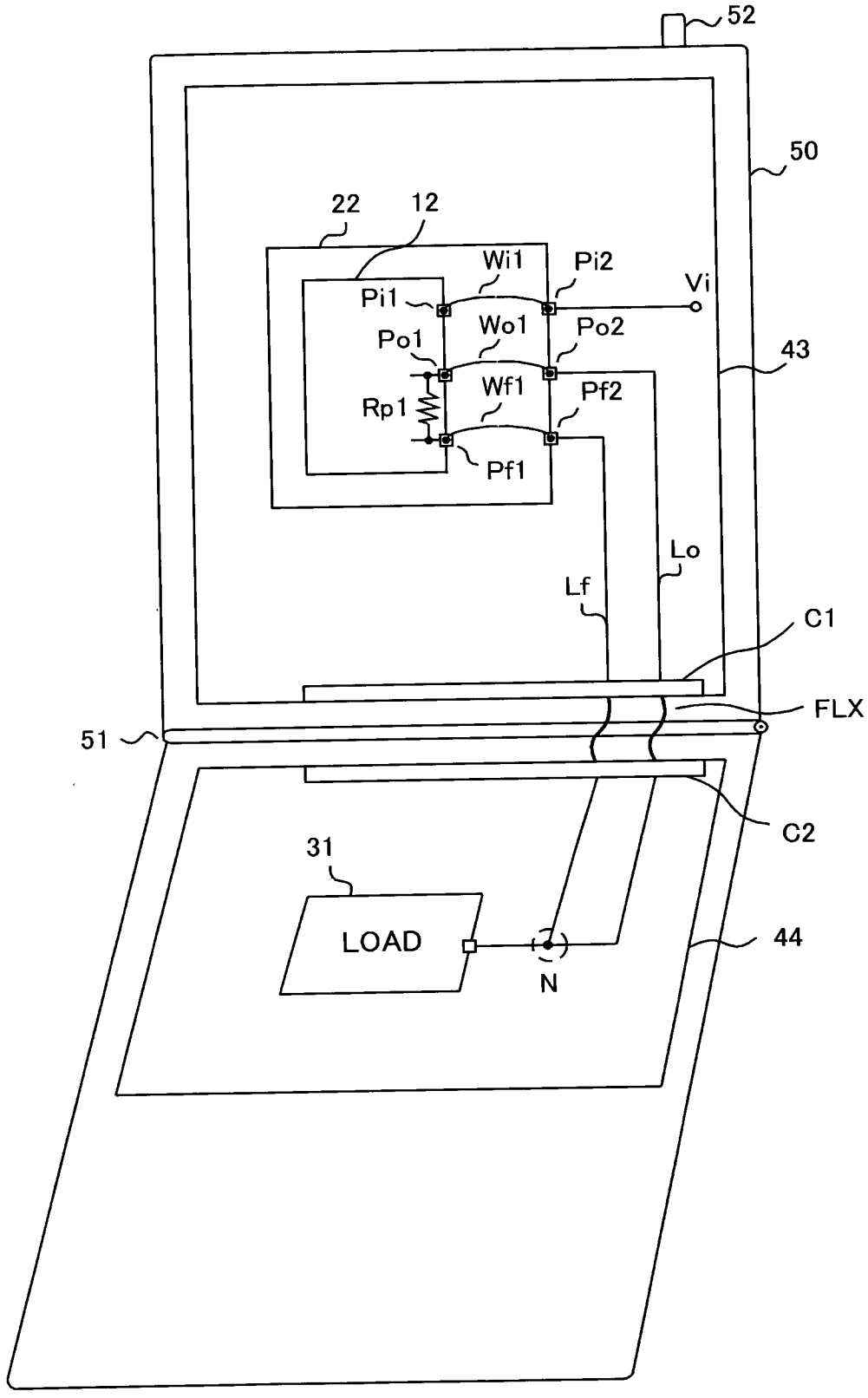

52
50
22
12
Wi1
Pi2
Vi
Pi1
Wo1
Po1
Po2
43
Wf1
Pf2
Rp1
Pf1
Lo
Lf
C1
FLX
51
C2
31
LOAD
N
44

FIG. 7

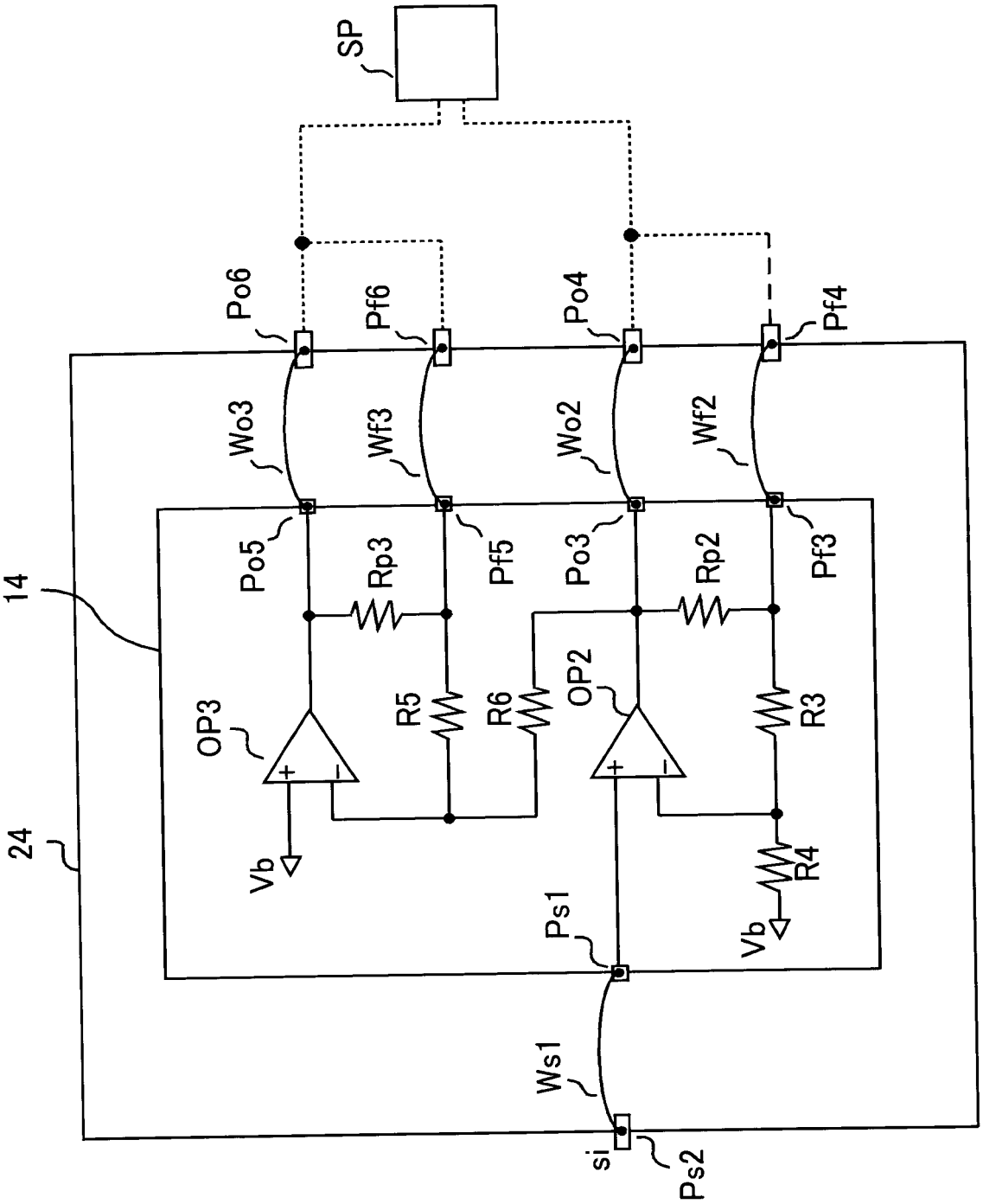

SP
Po6
Pf6
Po4
Pf4
Wo3
Wf3
Wo2
Wf2
Po5
Rp3
Pf5
Po3
Rp2
Pf3
14
OP3
R5
R6
OP2
R3
24
Vb
R4
Vb
Ps1
Ws1
si
Ps2

FIG. 8

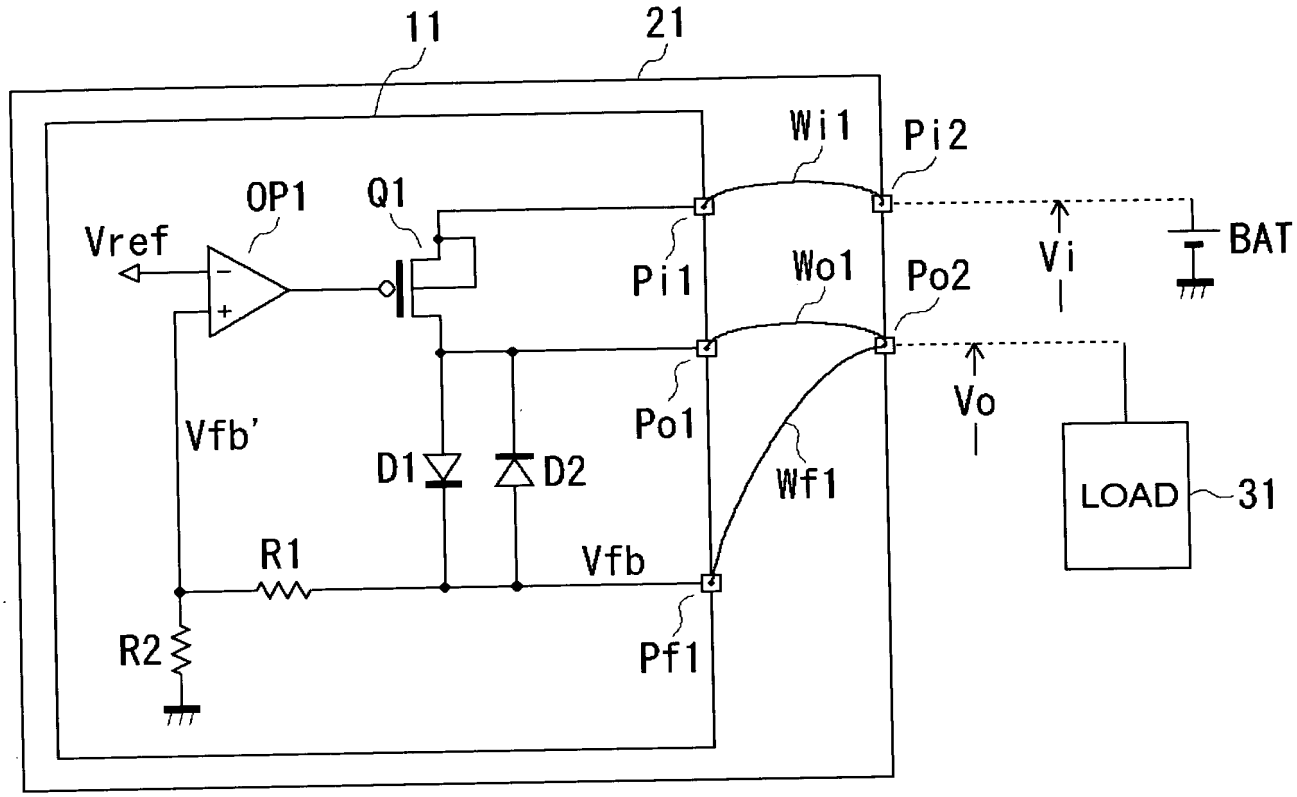

11
21
Wi1
Pi2
OP1
Q1
Vref
Pi1
Wo1
Po2
Vi
BAT
Vfb'
Po1
Vo
D1
D2
Wf1
LOAD
31
R1
Vfb
R2
Pf1

FIG. 9

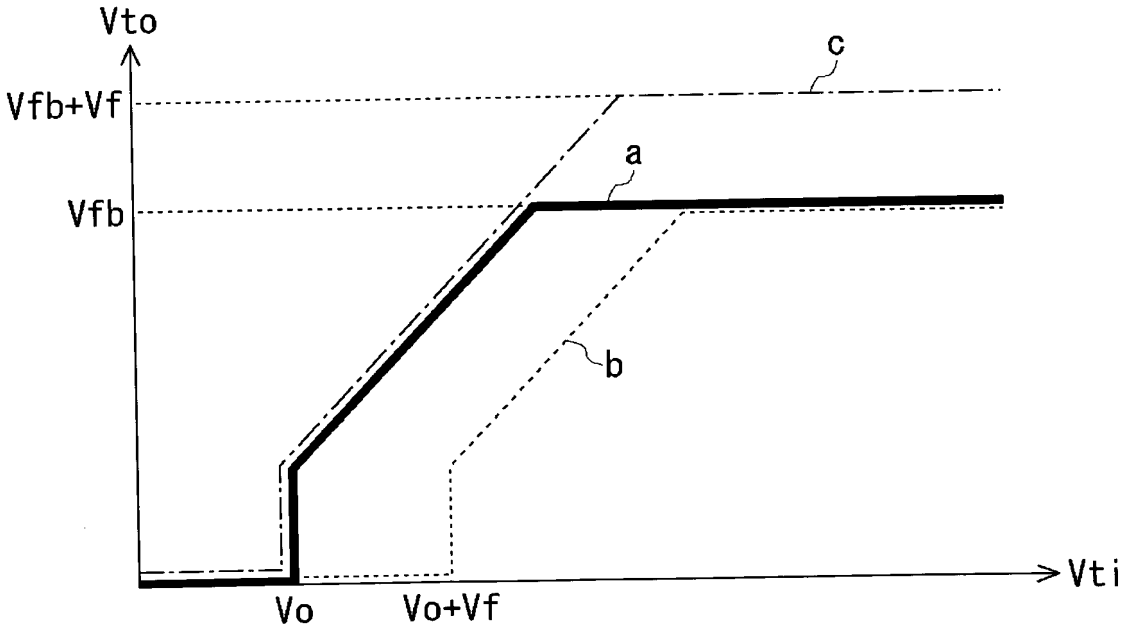

Vto
c
Vfb+Vf
a
Vfb
b
Vti
Vo
Vo+Vf

FIG. 10

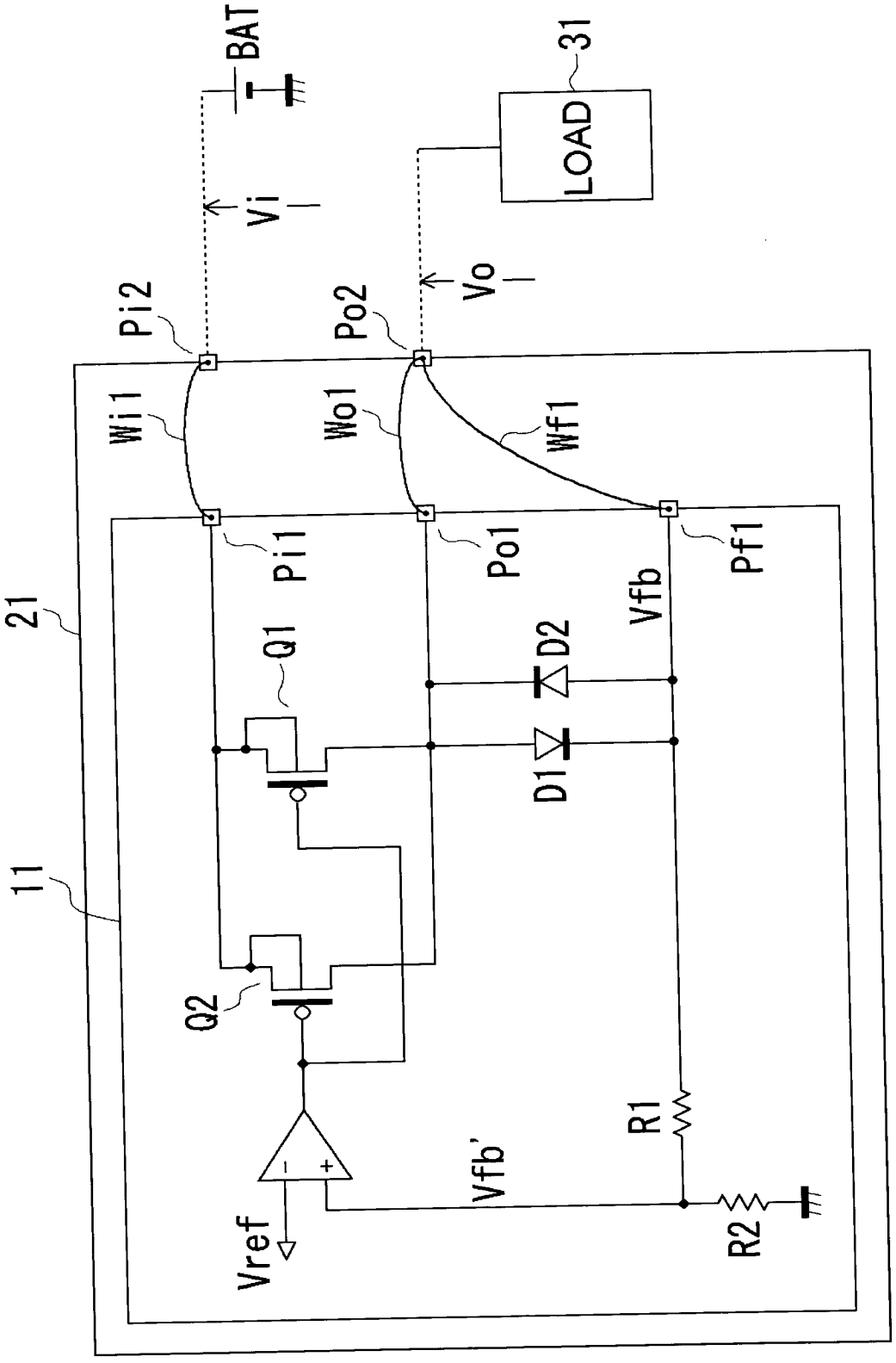

BAT
31
LOAD
Vi
Vo
Pi2
Po2
Wi1
Wo1
Wf1
Pi1
Po1
Pf1
21
Q1
D2
Vfb
D1
11
Q2
R1
Vfb'
Vref
R2

FIG. 11

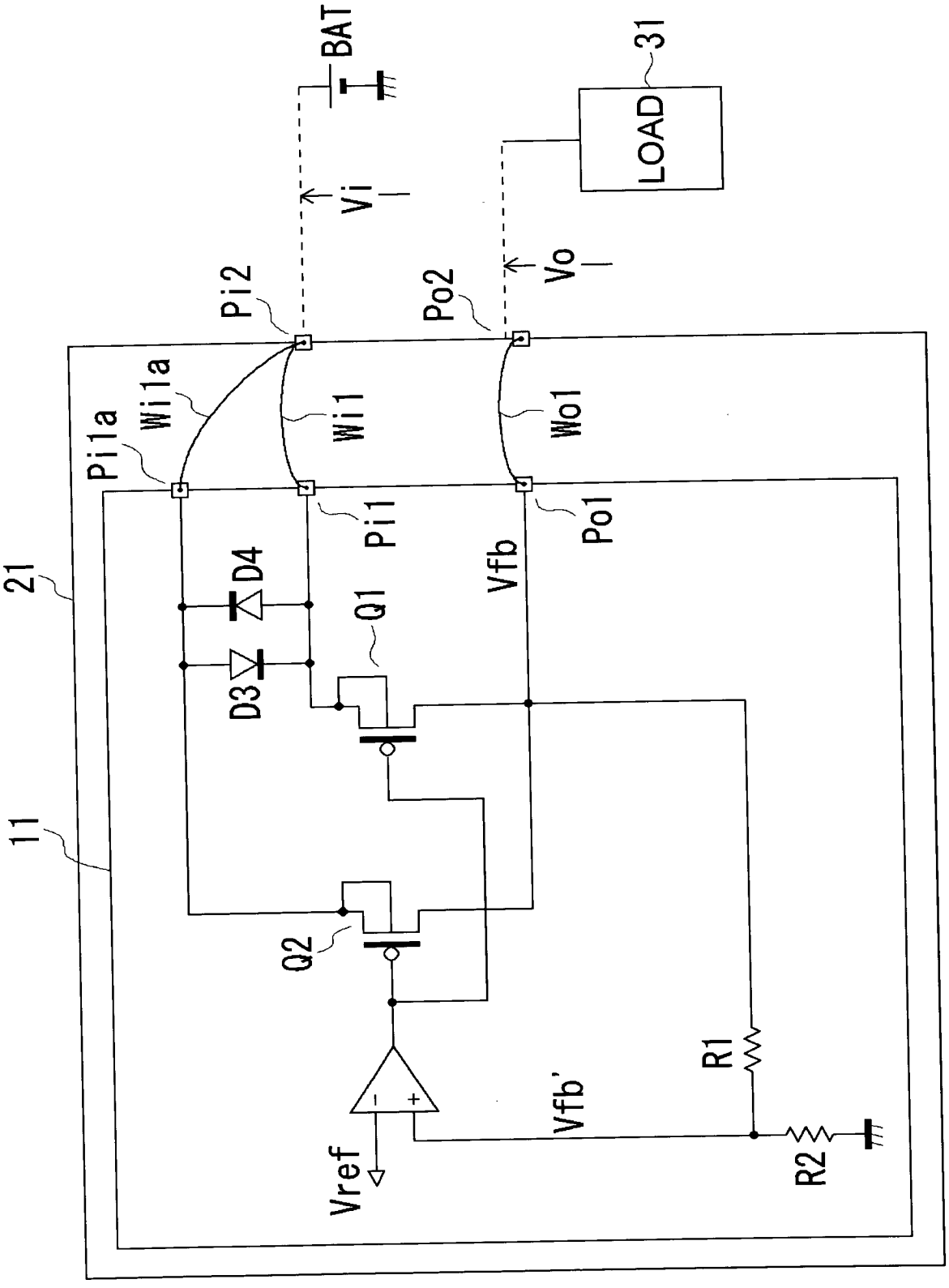

BAT
31
LOAD
Vi
Vo
Pi2
Po2
Wi1a
Wi1
Wo1
Pi1a
Pi1
Po1
21
D4
D3
Q1
Vfb
11
Q2
R1
Vfb'
Vref
R2

FIG. 12

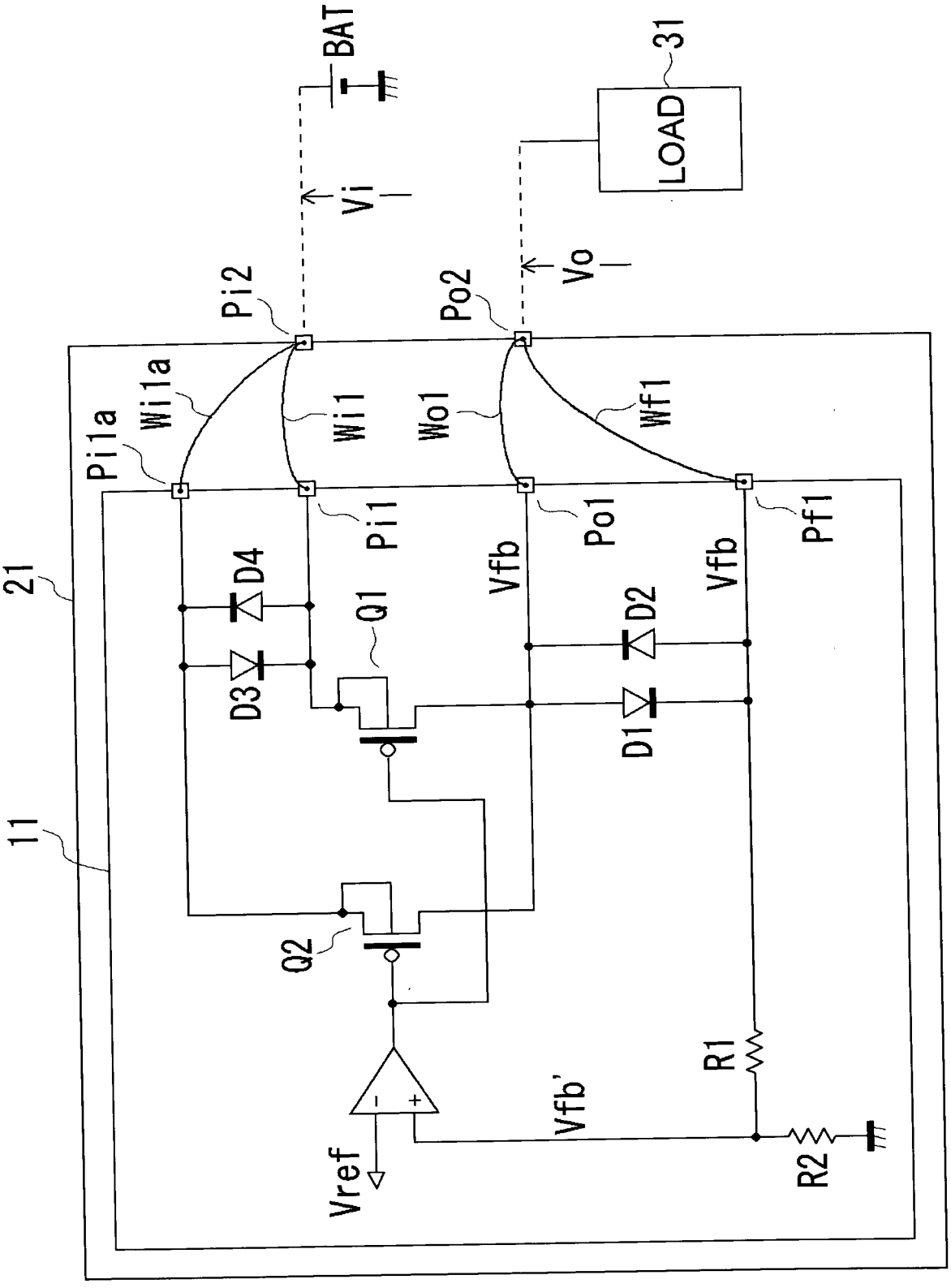
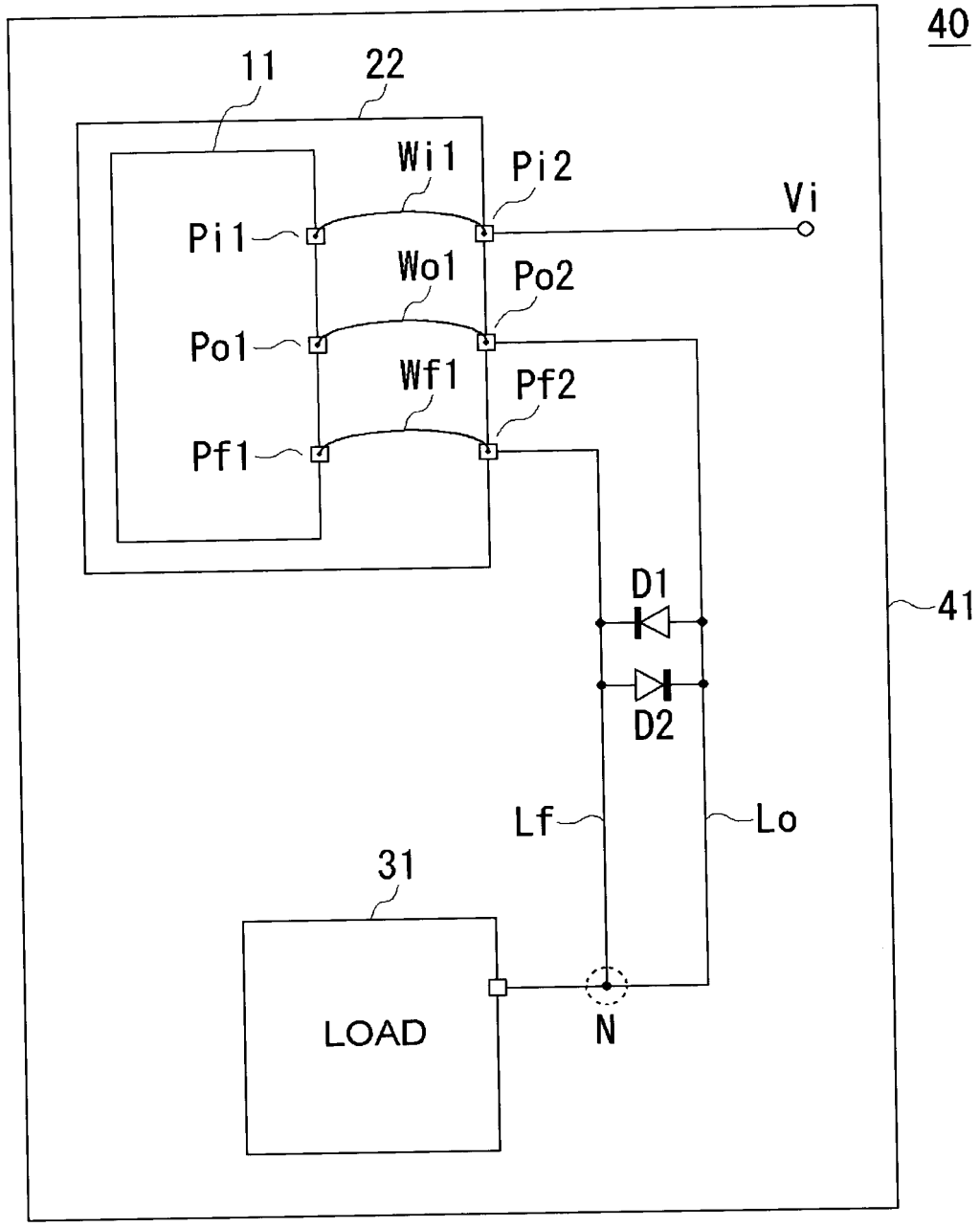

BAT
31
LOAD
Vi
Vo
Pi2
Po2
Wi1a
Wi1
Wo1
Wf1
Pi1a
Pi1
Po1
Pf1
21
D4
D3
Q1
Vfb
D2
D1
Vfb
11
Q2
R1
Vfb'
Vref
R2

FIG. 13


40
11
22
Wi1
Pi2
Vi
Pi1
Wo1
Po2
Po1
Wf1
Pf2
Pf1
D1
41
D2
Lf
Lo
31
LOAD
N